SIGNAGE T	/PE	S AND	SPECIFICATIONS FOR:	
THE NEW D	O۷	ER HIC	3H SCHOOL	
Project Add	lre:	ss:	One Dover High Drive	
			Dover, DE 19904	
Owner:			Captial School District	
			198 Commerce Way	
			Dover, DE 19904	
Architect:			ABHA Architects	
			1621 N. Lincoln St.	
			Wilmington, DE 19806	

TABLE OF CONTENTS

Page No.	Description		
1	Table of Contents / Graphics & Sign Standards		
2	General Specifications / Guidelines		
3	Exterior - Si	gn Location Plan	
4	Type A	Exterior - Monument Sign w/ Message Centers	
5	Type B1	Exterior - Entrance Signs - North Canopy	
6	Type B2	Exterior - Entrance Signs - South Canopy	
7	Type C	Exterior - Small Directional Signs	
8	Type C7	Exterior - Large Directional Sign	
9	Type D	Exterior - Field House Logo	
10	Type E	Exterior - Mesh Bleacher Banner	
11	Type F	Interior - ADA Room Signs - Small	
12	Type G1	Interior - ADA Room Signs - Large (Toilet/Stair/Elevator)	
13	Type G2	Interior - ADA Room Signs - Large (Feature Room)	
14	Туре Н	Interior - Directional Signage - Details	
15	Туре Н	Interior - Directional Signage	
16	Туре Н	Interior - Directional Signage	
17	Type I	Interior - Main Office - Logo Sign	
18	Type J	Interior - Main Street - Dimensional Copy - Schedule/Details	
19	Type J	Interior - Main Street - Dimensional Copy - Elevations	
20	Type K	Interior - Main Street - Ceiling Banners	
21	Type L	Interior - Main Street - Wall Plaques	
22	Type M	Interior - Gymnasium - Dimensional Copy	
23	Type N	Interior - Gymnasium - Senator Logo	
24	Type O	Interior - Gymnasium - "D" Logo	
25	Type P	Interior - Gymnasium - Athlete Banner	
26	Type Q	Interior - Gymnasium - State Champ Wall Plaques	
27	Type R	Interior - Gymnasium - Conference Champ Banners	
28	Type S	Interior - Gymnasium - Conference Member Banners	
29	Type T	Interior - Gymnasium - Scoreboard Banners	
30	Type U	Interior - Auxiliary Gym - Banners	

Arial

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

Project Standard Primary Font - Arial

Arial Bold

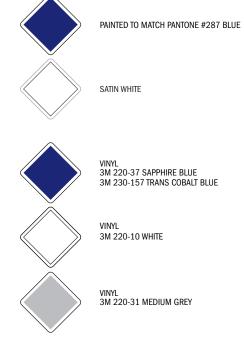
ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

Project Standard Secondary Font - Arial Bold

Brick Specifications



Vinyl & Paint Specifications



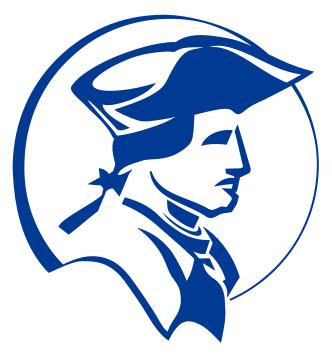
Graphics & Sign Standards for Dover High School

All Signs and other messages for this project, are to be fabricated in accordance with the Graphic & Sign Standards shown here, lending consistency in the application of materials and typography.

Sign Fabricator will provide drawings, layouts and sufficient samples, showing compliance to set guidelines for Landlord's review and approval.

Refer to Sign Types, Sign Elevation Diagrams, Location Plans, and Message Schedules, for clarification on dimensions & specifications.

Examples shown here are for illustration of design intent only. It is submitted for consideration in the purchase of the product(s) manufactured according to these plans. Colors portrayed are representational. Follow all color, material, fonts and application methods to facilitate approvals.



Project Standard Logo Art - art provided by Dover High School

Date: May 16, 2014

Table of Contents / Graphics & Sign Standards

1.0 Manufacturing

1.1 Structural General Notes

- 1. All structural steel plate, angle, channel, tee and wide flange shall be ASTM A36 grade unless otherwise specified.
- 2. Square and rectangular tube shall be ASTM A500 Grade B
- 3. Round pipe shall be ASTM A53 Grade B or equivalent.
- 4. Design and fabrication according to AISC Steel Construction Manual 13th edition.

1.2 Fabrication General Notes

- Details depicted on the construction drawings shall be followed for exterior appearance. Structural design shall be utilize
 unitized, self-supportive framing. Fabrication of cabinet, exposed faces and graphics devices to size and style indicated
 and produced surfaces free from oil canning, warping, distortion or any irregularities or inconsistencies. Include internal
 bracing for stability and attachment of mounting accessories as required.
- 2. Fabricator may change interior construction shown on these details to conform with general shop practices. However, these changes must be submitted to TSD as part of the shop drawings and be reviewed by TSD and noted prior to fabrication.
- 3. Construct all work to eliminate burrs, cutting edges and sharp corners.
- 4. All welding must be performed by operators who are currently qualified by tests as prescribed in AWS D.1.1, and or D.1.2 as applicable, and certified by a recognized building code authority.
- 5. Make all signs tight fitting, between parts and sections, and with adjacent surfaces. Unless indicated otherwise, non-welded joints between various portions of signs must be weatherproof (for exterior signs) and have tight, hairline-type appearances, without gaps (varying or otherwise). Provide sufficient fastenings to preclude looseness, racking, or similar movement.
- 6. Conform to Manufacture's recommended fabricating procedures regarding fastening, restraining, expansion and contraction of dissimilar materials.
- 7. Isolate dissimilar materials.
- 8. Signs to be assembled and mounted so as to provide reasonable ease of access and replacement of all components.
- 9. Aluminum sheet not less than .125 unless noted otherwise, fabricate by MIG welding, filled and ground smooth, unless the seam occurs along a color break. Then a clean butt joint with concealed backing channel and plug weld is acceptable. All bends curves and folds to be geometrically correct and produced by a consistent mechanical method unless approved otherwise.
- 10. Jointing and Brake forming all sheet metal shall have brake formed edges with radii not grater than sheet thickness unless otherwise specified. Adjacent stock shall have edges with similar radii.
- 11. Welding all exposed welds is to be ground smooth to match surface of adjacent material.
- 12. All mounting patterns and or templates shall have at least a fully marked base line and center line depicted on the pattern.

1.3 Graphic's Application

- 1. Sign copy to comply with the requirements indicated for size, proportion, style, spacing, content, position, material, finish and color of letters, numbers, symbols and other graphics devices.
- 2. All letterforms shall be aligned so as to maintain a baseline parallel to the sign format, with margins and layout as indicated on design drawings and approved shop drawings.
- 3. Routed copy: Cutting and routing shall be done in such a manner that edges and corners of finished letter forms shall be sharp and true. letter forms with nicked, cut, ragged, rounded Positive or negative corners, and similar disfigurements will not be acceptable. Letter forms shall be aligned so as to maintain a base line parallel to the sign format, with margins and layout as indicated on design drawings and approved shop drawings. Vertical strokes shall be plumb. Mechanically fasten center of letters to acrylic plastic as required.
- 4. All high resolution large format digital printing shall be protective with a UV over laminate.

1.4 Finishing

- 1. Pretreatment: All surfaces shall be sanded, cleaned, primed, and pre-treated as required prior to finishing.
- Paint: Paint shall be manufactures' highest grade for best ultraviolet light resistance, weather ability and overall longevity of finish and color pigmentation retention.
- 3. Paint color mixtures shall be cross checked with approved color control samples, prior to the final finishing process.
- 4. All painted surfaces shall be free form particulates, blemishes, dry spots, orange peel and unevenness of spray patterns.
- 5. There shall be no delimitation of any parts of the sign or of the lettering from the sign face.
- 6. There shall be no cupping, warping, or dishing in excess or other disintegration of the sign face.

2.0 Installation

2.1 Installation General Notes

- 1. Installer shall be responsible for determining the erection and dismantling of all barricade or protective coverings necessary to safeguard the public and property during the performance and duration of the work.
- Installer shall attach signs to substrate in accordance with the structural engineer's and manufactures instructions unless otherwise shown. Install level, plumb, and at the proper height. No movement of signs from their foundations shall occur, the signs must remain true and plumb on their foundations.
- 3. Installation of all signs items shall be by the contractor. Installation includes provision of any required footing, all anchor bolts, fastenings, attachment metal, and other miscellaneous metal items embedded in concrete or building wall material as required, and security of signs units in place with no visible fasteners.
- 4. All items to be installed shall be left in a clean condition. Upon completion of the sign installation of each sign, clean all soiled sign surfaces and touch-up all imperfections that may have occurred during the time of handling and installation.
- 5. All debris and packing material shall be removed and disposed of in a legal manner. All protective masking of the sign surfaces shall be removed upon completion of the installation.
- 6. All excavation and site work shall be returned to its original grade configuration after contract items are installed.

2.2 Electrical

- 1. All electrical dedicated junction boxes are to be provided by the owner's representative as the point of connection within 6 feet of the sign. All electrical connections to the sign shall be made by a qualified employed by GableSigns for this purpose.
- All electrical connections are to be made in accordance with the requirements of the National Electrical Code (N.E.C.) in addition to all applicable local codes.
- 3. Installer is responsible for compliance with all applicable environmental regulations.
- 4. Installer is responsible for compliance with all OSHA regulations.

2.3 Concrete Foundations

- 1. Engage a private utility locating specialist and mark existing utilities in proximity to sign foundation before excavation. Likewise, contact Miss Utility for marking of all public utilities in the work area.
- 2. Excavate for sign foundation to elevations and dimensions indicated. Reconstruct sub grade that are un-firm, disturbed, or composed of unsuitable soil, or has been damaged by freezing temperatures, frost, rain, accumulated water, or construction activities by excavating further, backfilling with satisfactory soil or fill, and compacting to original sub grade elevation. Do not install footings in damp or saturated soils. Do not leave open excavation during off-work hours.
- 3. Install concrete footing with reinforcement, foundations, and other embedded items required for installation of signs, as approved by contractor-furnished Engineer.
- 4. Set core drill and set anchors bolts from footing base plate onto non-shirk grout leveling bed. Ensure post is level and plumb, and at heights indicated, with surfaces free of distortion and other defects in appearance.
- Coordinate and install power source feed wire from adjacent sub-grade and form bend of conduit chase (sweep) into foundation pour. Verify size requirements prior to installation.
- 6. Back fill footing/foundation once concrete reaches 2,500 pound compressive strength. Backfill material shall be free of litter, debris and organic matter. Backfill material shall have not more than optimum water content prior to compaction operations, soils to dry to suitable levels if over- saturated.

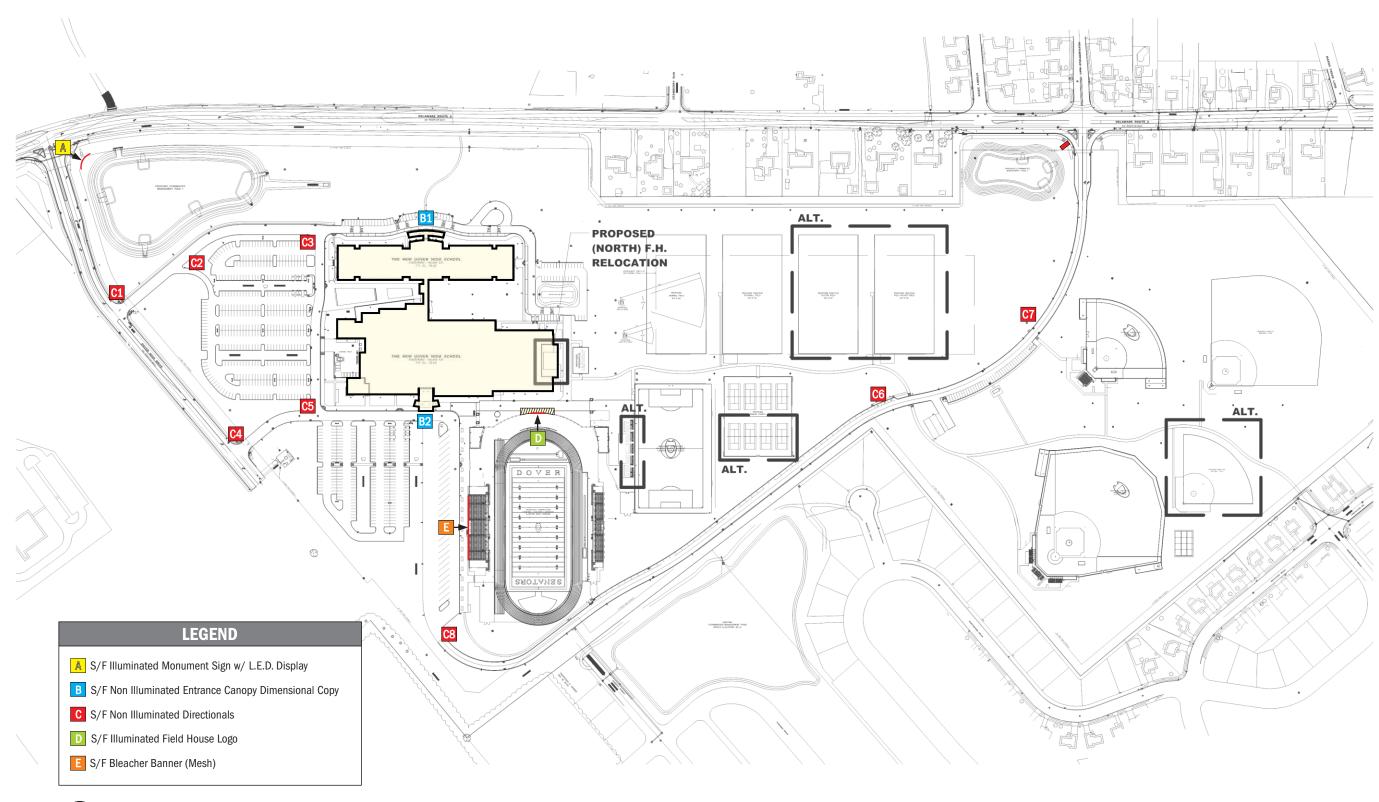
General Foundation Specifications:

- 1. Minimum concrete strength shall be 3,000 psi, w/ 6% air entrainment unless otherwise noted.
- 2. Concrete design & construction to be in accordance with ACI 318-05
- 3. Concrete poured into constrained earth excavations must be cure under proper conditions for four days prior to sign box installation. (Exception: if the overall height of the sign is less than 20 feet and the sign pole(s) are adequately braced as necessary against wind loads for a minimum of 4 days, the box may be installed the same day as the footing is poured.
- 4. For pier and caisson footings, concrete must be poured against undisturbed earth.
- 5. Maintain a minimum of 3" cover over all embedded steel.
- 6. Provide a maximum of 4" cover between the bottom of support pole and bottom of the concrete footing on all direct burial footings, (Unless otherwise noted)
- 7. If clay, silt or organic soils propertied are encountered upon excavation it is the contractor's responsibility to contact a licensed engineer for design modification.

Date: May 16, 2014

General Specifications / Guidelines

SHEET 2 of 30

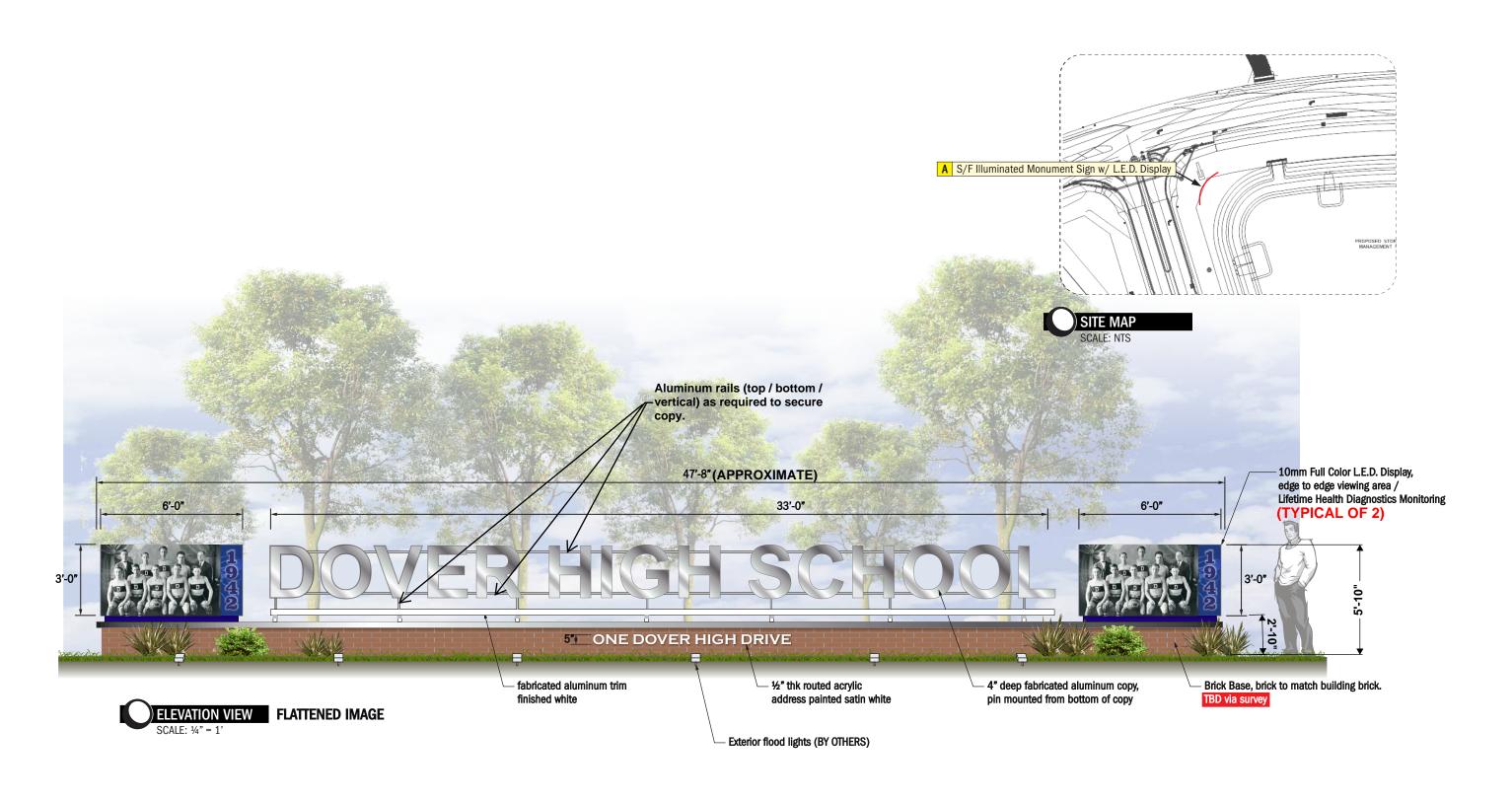


SITE PAN SCALE: NTS

Date: May 16, 2014

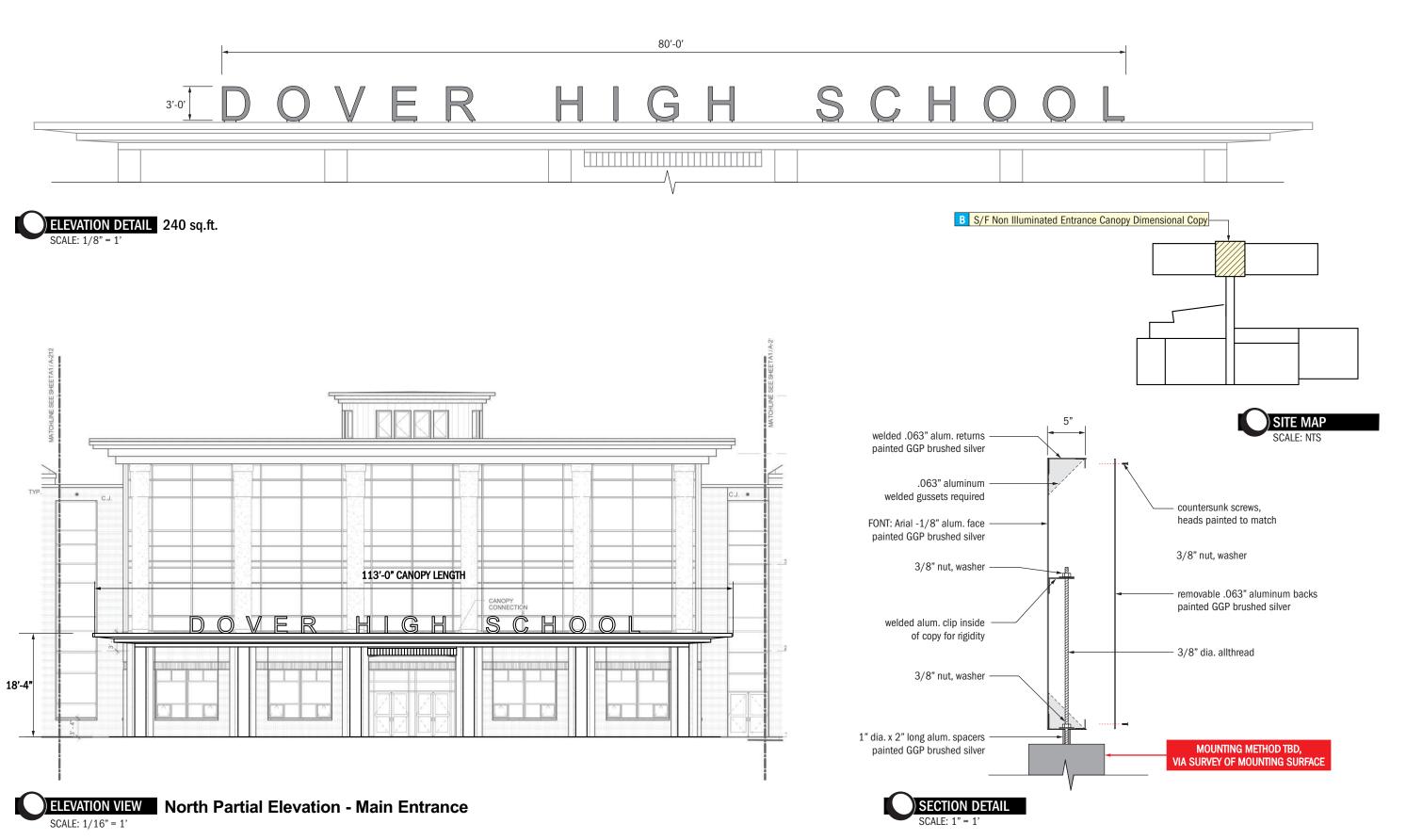
Exterior - Sign Location Plan

SHEET 3 of 30



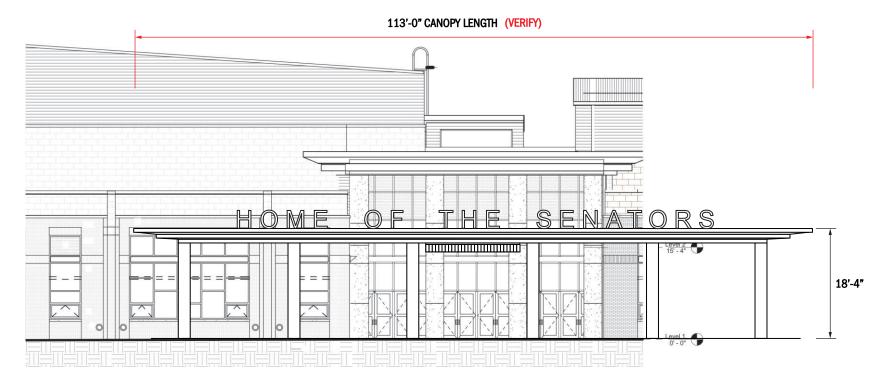
THE BID FOR SIGN TYPE A (ONLY) IS TO BE BASED UPON PREVAILING WAGE RATES.

SIGN TYPE: A	Exterior - Monument Sign w/ Message Centers	
QUANTITY: 1		SHEET 4 of 30



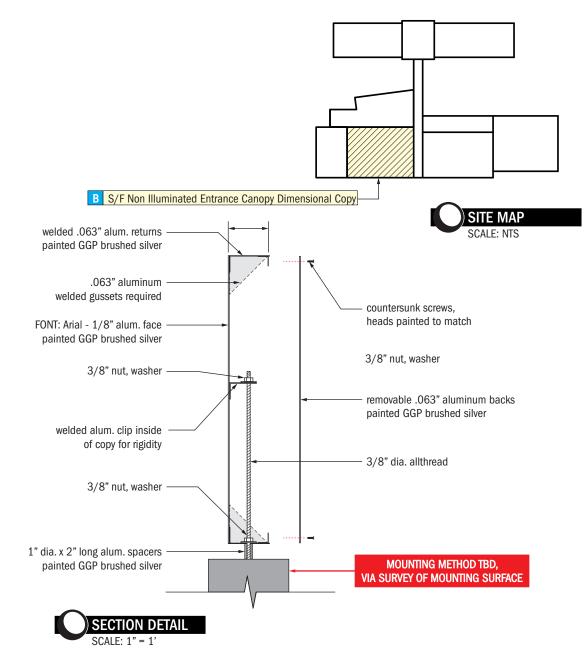
SIGN TYPE: B1	Exterior - Entrance Signs - North Canopy	
QUANTITY: 1		SHEET 5 of 30



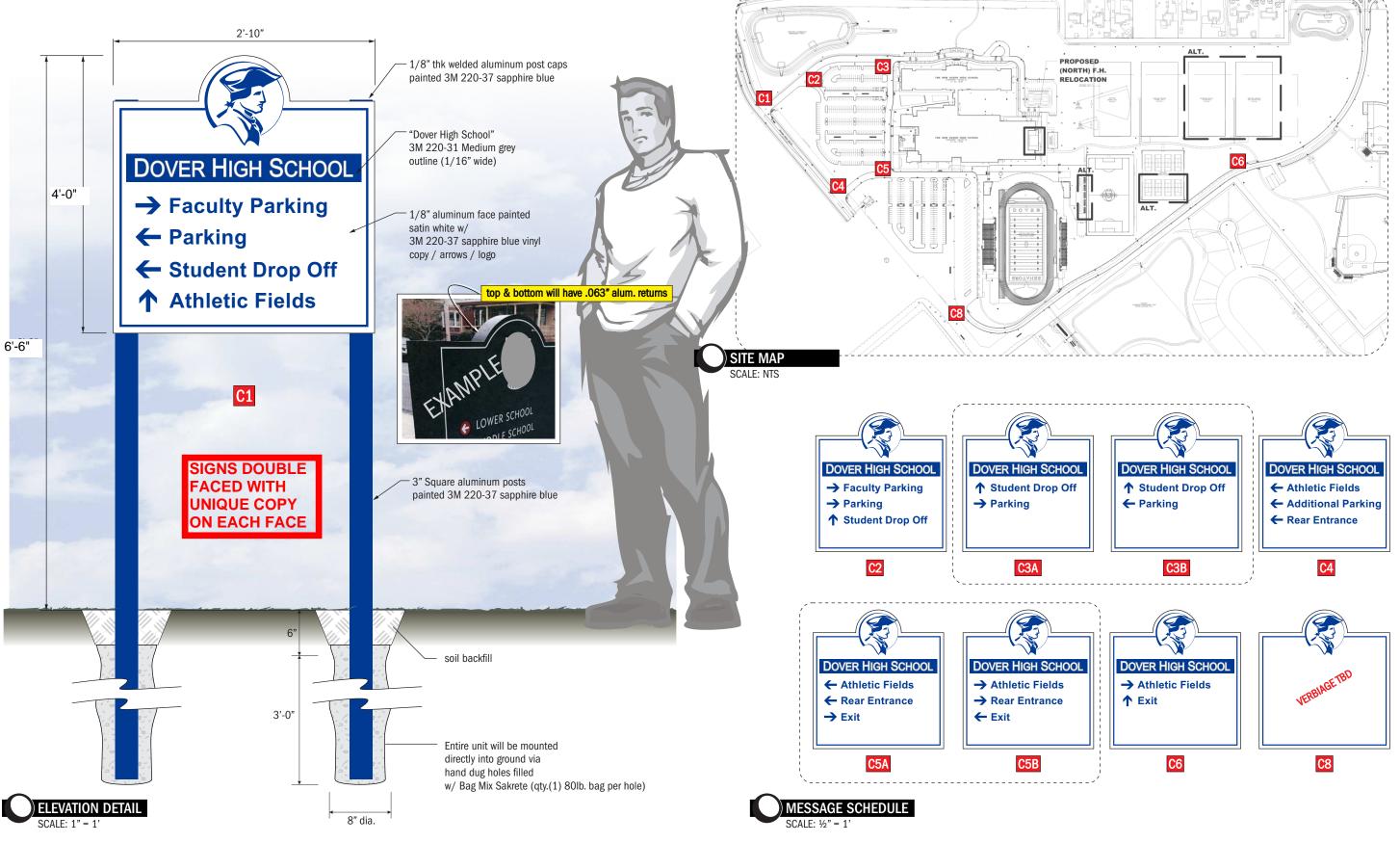


SCALE: 1/16" = 1'

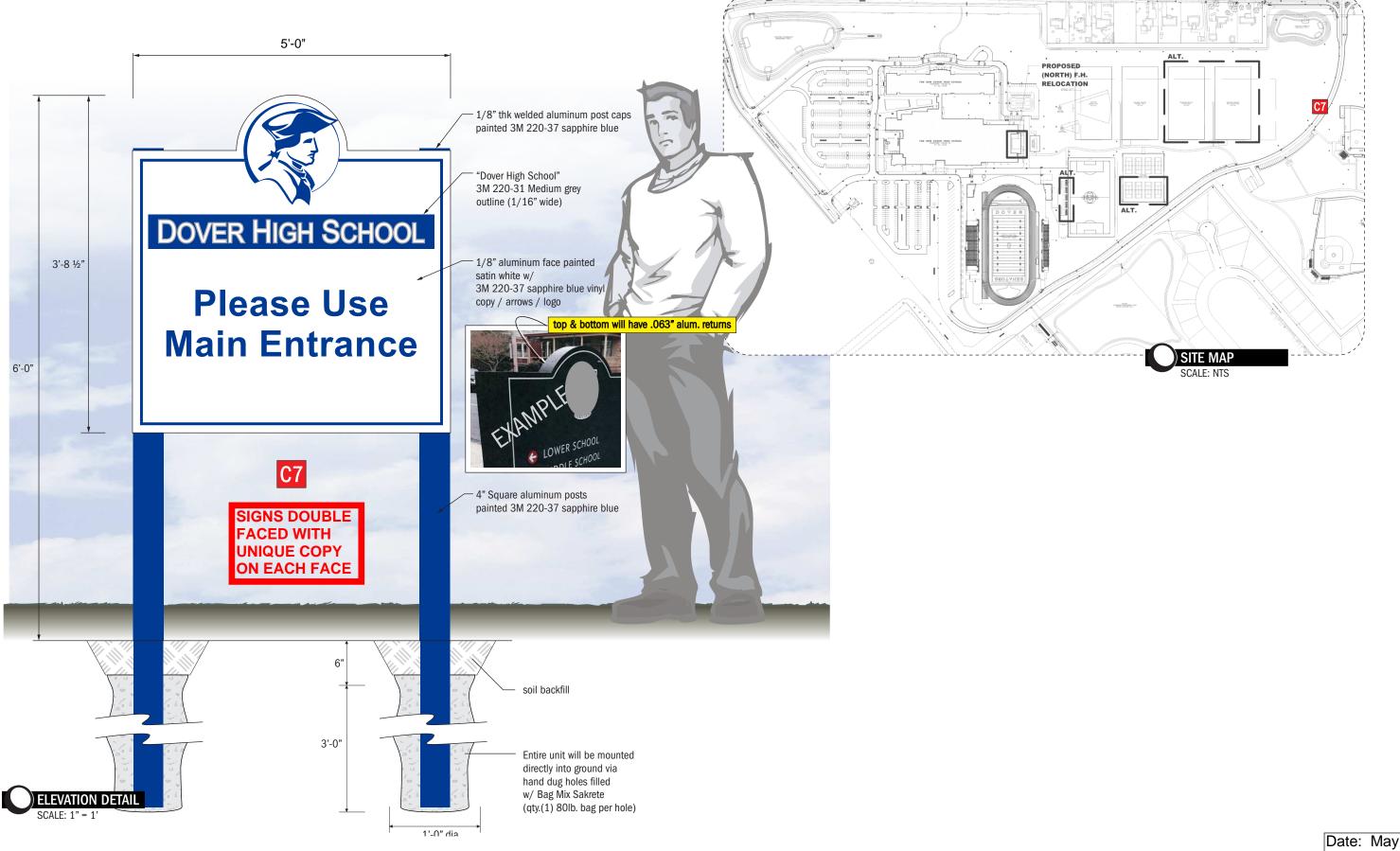
SCALE: 1/16" = 1'



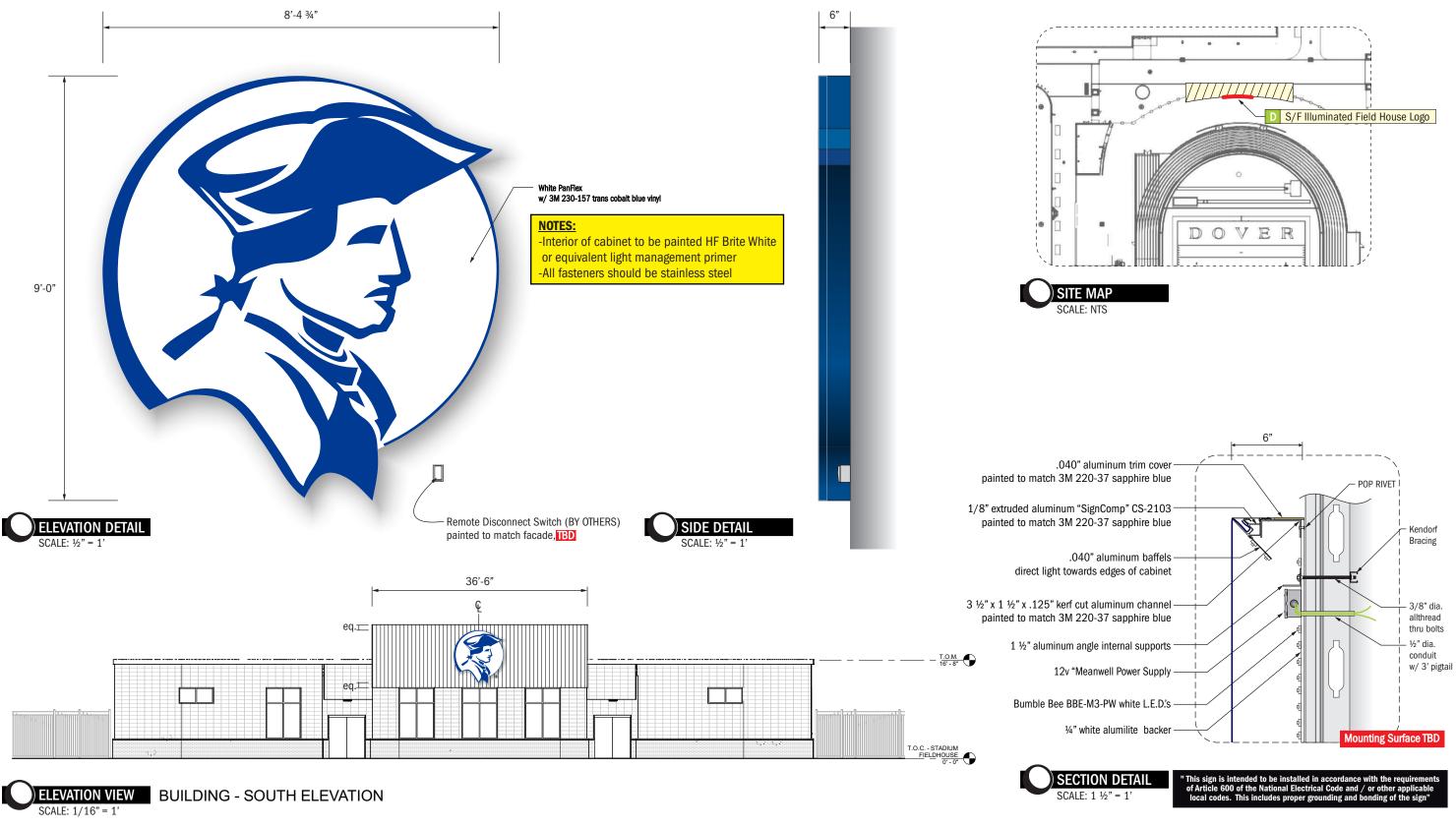
SIGN TYPE: B2	Exterior - Entrance Signs - South Canopy	
QUANTITY: 1		SHEET 6 of 30



SIGN TYPE: C	Exterior - Small Directional Signs
QUANTITY: 8	SHEET 7 of 30



SIGN TYPE: C7	Exterior - Large Directional Sign
QUANTITY: 1	SHEET 8 of 30



SIGN TYPE: D	Exterior - Field House Logo
QUANTITY: 1	SHEET 9 of 30

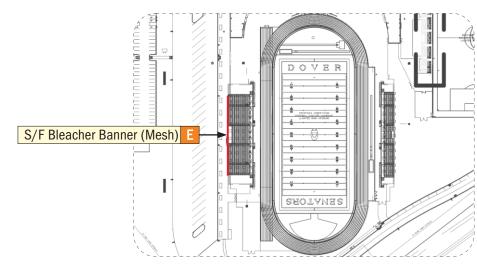
SIZE AS Noted

DBL FACE OF SINGLE FACE SINGLE

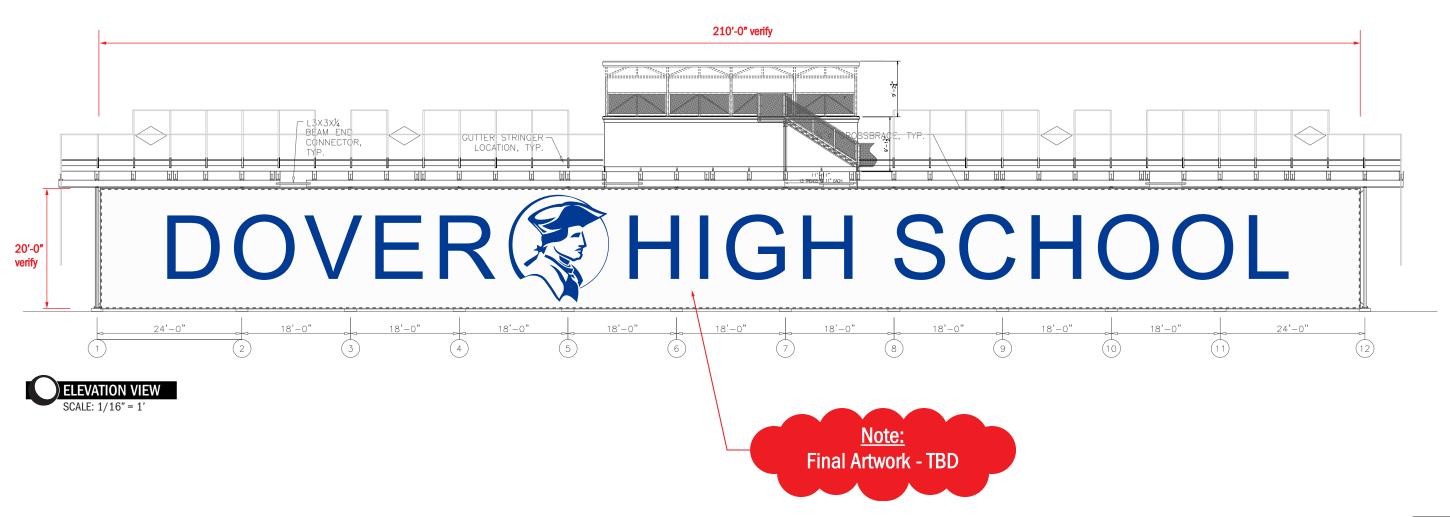
BANNER MATERIAL MESH
BANNER FINISH WHITE

GRAPHICS
SPECIFICATION

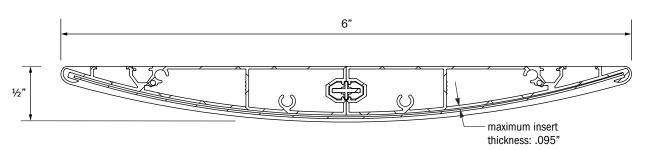
INSTALL METHOD HANG VIA GROMMETS



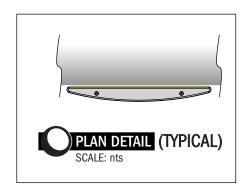




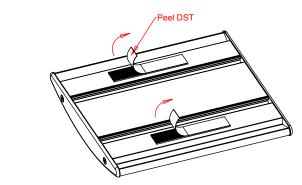
SIGN TYPE: E	Exterior - Mesh Bleacher Banner
QUANTITY: 1	SHEET 10 of 30



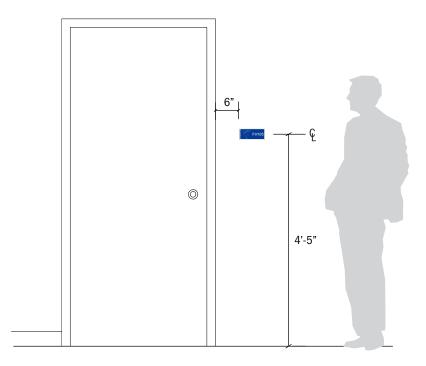


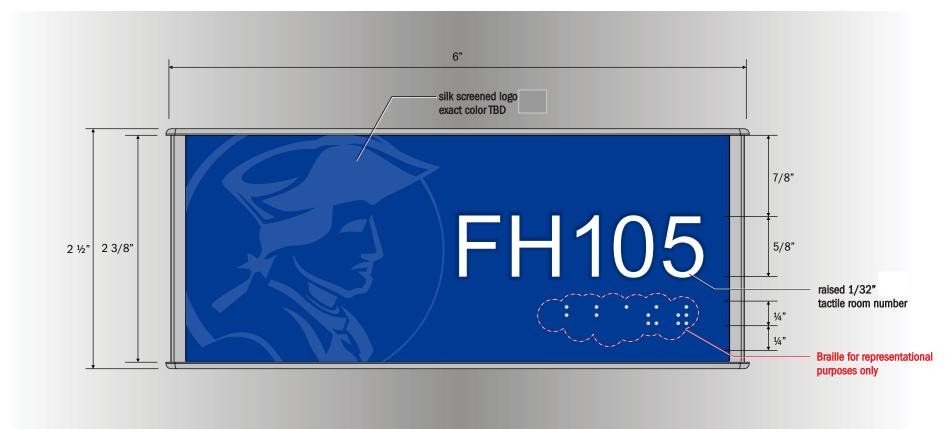












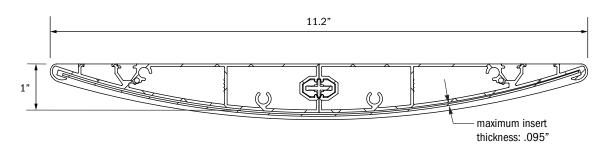


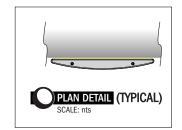


SIGN TYPE: F Interior - ADA Room Signs - Small

QUANTITY: 712

SHEET 11 of 30





DBL. FACE or SINGLE FACE single face FRAME MATERIAL WFP160 FRAME FINISH Natural Satin PLATE MATERIAL photopolymere PLATE FINISH PMS# 287 C Blue

COPY MATERIAL Arial MT 1/32" raised tactile address / Grade II Braille

COPY FINISH white (braille to match background color) LOGO MATERIAL silk screened / laser printed

LOGO FINISH 85% PMS# 287 C Blue

SCHOOL NAME MATERIAL Arial MT silk screened / laser printed

SCHOOL NAME FINISH white

INSTALL METHOD mounted flush to drywall / block / brick / laminate via VHB Tape & GE CSC 2000 clear silicone adhesive



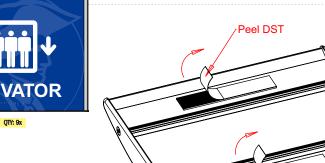




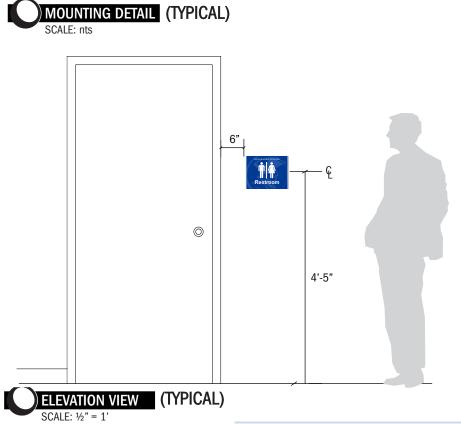










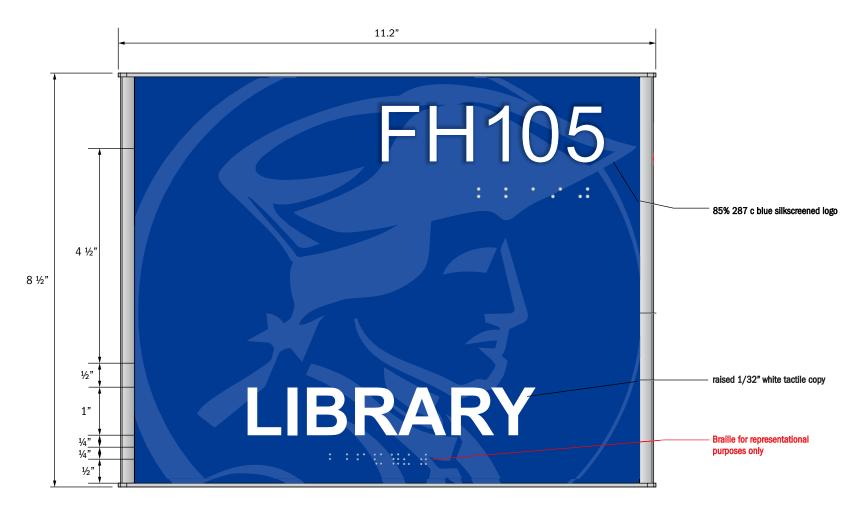


FRONT DETAIL (TYPICAL)

Interior - ADA Room Signs - Large (Toilet/Stair/Elevator) SIGN TYPE: G1

QUANTITY: 45

SHEET 12 of 30







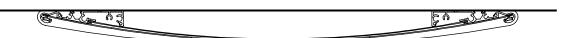
Main Office	B103 (2x)	Culinary Arts	F101 (2x)
Health	B125	Main Gymnasium	G103 (4x)
Guidance	B114	Fitness Center	G102 (2x)
Wellness	B151	Wrestling / Movement	G104 (2x)
School Store	B108	Locker Room A	G110
Food Court	G125	Locker Room B	G118
Dining Center	D101 (2x)	Locker Room C	H136 (2x)
Choral Room	E137 (2x)	Locker Room D	H138 (2x)
Large Band Room	E130 (2x)	Auxiliary Gym	H106 (4x)
Small Band Room	E129	Theater	E101 (4x)
Strings Room	E152	Sentrum	B201
Dance Room	E150	Lecture Hall	B206 (2x)

SEE SIGN TYPE G1 FOR TECHNICAL SPECIFICATIONS AND MOUNTING DETAILS

Date: May 16, 2014

SIGN TYPE: G2 Interior - A	DA Room Signs - Lar	rge (Feature Room)
----------------------------	---------------------	--------------------

QUANTITY: 46 SHEET 13 of 30





DOVER HIGH SCHOOL ← Rotunda ← Stairs / Elevators ← Academies 27.56" ← Guidance ← Dining Center ← Gyms/Athletics ← Theater/Arts ← Career Tech

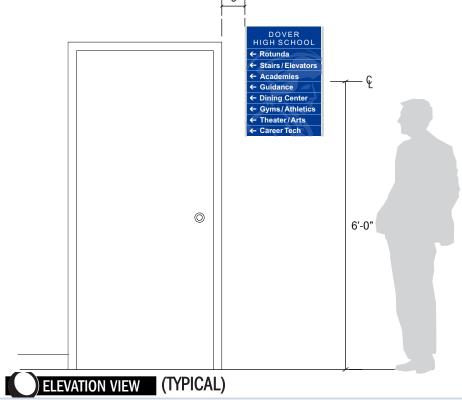
SIZE As Noted

DBL FACE or SINGLE FACE single face

FRAME MATERIAL WFP131-2

FRAME FINISH PLATE MATERIAL PLATE FINISH COPY MATERIAL COPY FINISH LOGO MATERIAL LOGO FINISH SCHOOL NAME MATERIAL SCHOOL NAME FINISH INSTALL METHOD METALE SIZE OF THE METHOD METALE SIZE OF THE METHOD METALE SIZE OF THE METHOD METALE METALE METHOD METALE METALE METHOD METALE METALE

85% 287 c blue silkscreened logo



Date: May 16, 2014

ELEVATION DETAIL (TYPICAL)

SIGN TYPE: H Interior - Directional Signage - Details

QUANTITY: 14 SHEET 14 of 30

B DOVER **DOVER** DOVER HIGH SCHOOL HIGH SCHOOL HIGH SCHOOL HIGH SCHOOL ← 9th Grade Acad. ← Rotunda ← Stairs / Elevators **↑** Main Office ↑ Library (2nd Floor) ← Stairs / Elevators → 9th Grade Acad. **↑** Health Office ↑ Sentrum (2nd Floor) ← Academies ← KCCS Classrooms ← Wellness Center ↑ English (2nd Floor) ← Guidance → Guidance ↑ History (2nd Floor) ← Stairs **↑ Dining Center** ← Dining Center ↑ Languages (2nd Floor) → Elevators ← Gyms/Athletics ↑ Gyms/Athletics ↑ Sciences (3rd Floor) ← 9th Grade Acad. ← Theater/Arts ↑ Theater/Arts ↑ Lecture Hall (3rd Floor) → KCCS Classrooms ← Career Tech **↑** Career Tech ↑ Math (3rd Floor)

E

DOVER HIGH SCHOOL ← KCCS Classrooms ↑ Library / Sentrum ↑ English (2nd Floor) ↑ History (2nd Floor) ↑ Languages (2nd Floor) ↑ Lecture Hall (3rd Floor) ↑ Sciences (3rd Floor) ↑ Math (3rd Floor)

DOVER HIGH SCHOOL ← Main Office ← Rotunda ← Stairs / Elevators ← Academies → Elevators ← 9th Grade Acad. → KCCS Classrooms

G

DOVER HIGH SCHOOL **↑** Main Office ↑ Rotunda ↑ Stairs / Elevators **↑** Academies **↑** Guidance **↑** Dining Center → Visual Arts → Career Tech

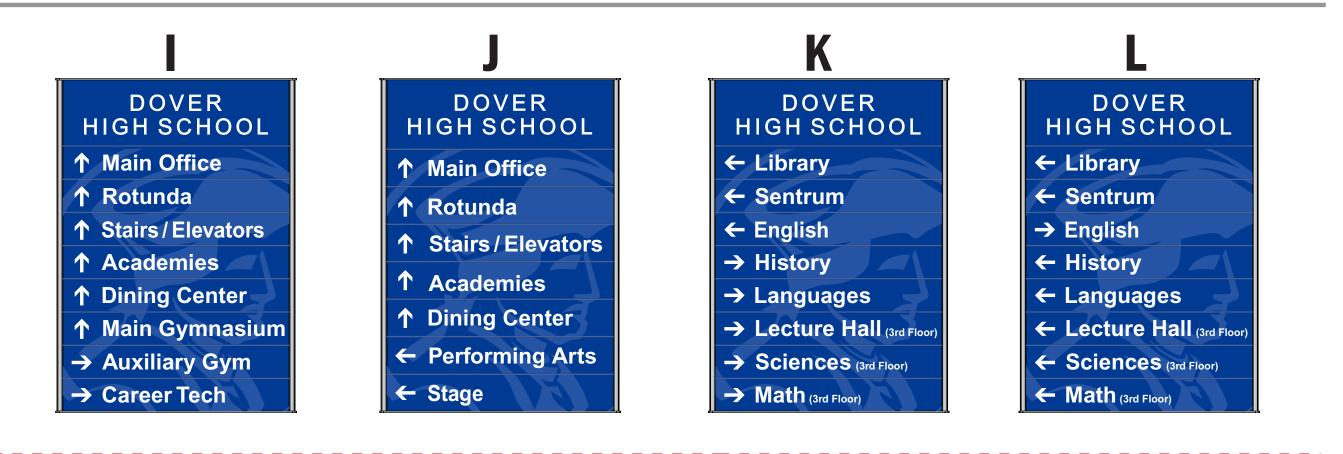
Ш

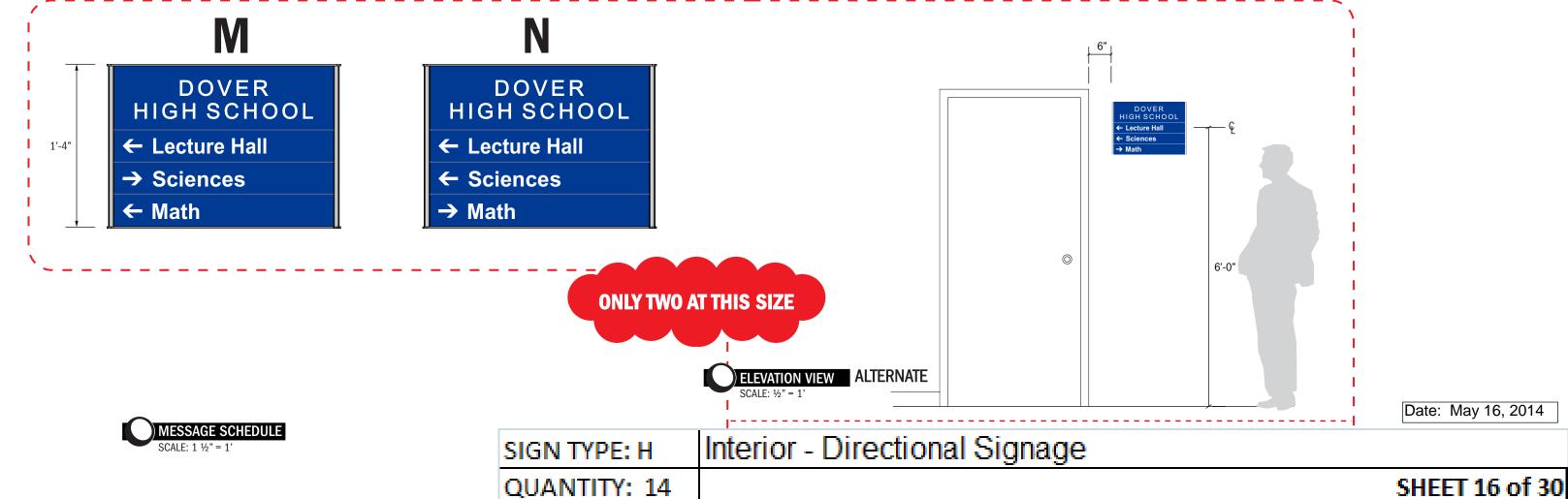
DOVER

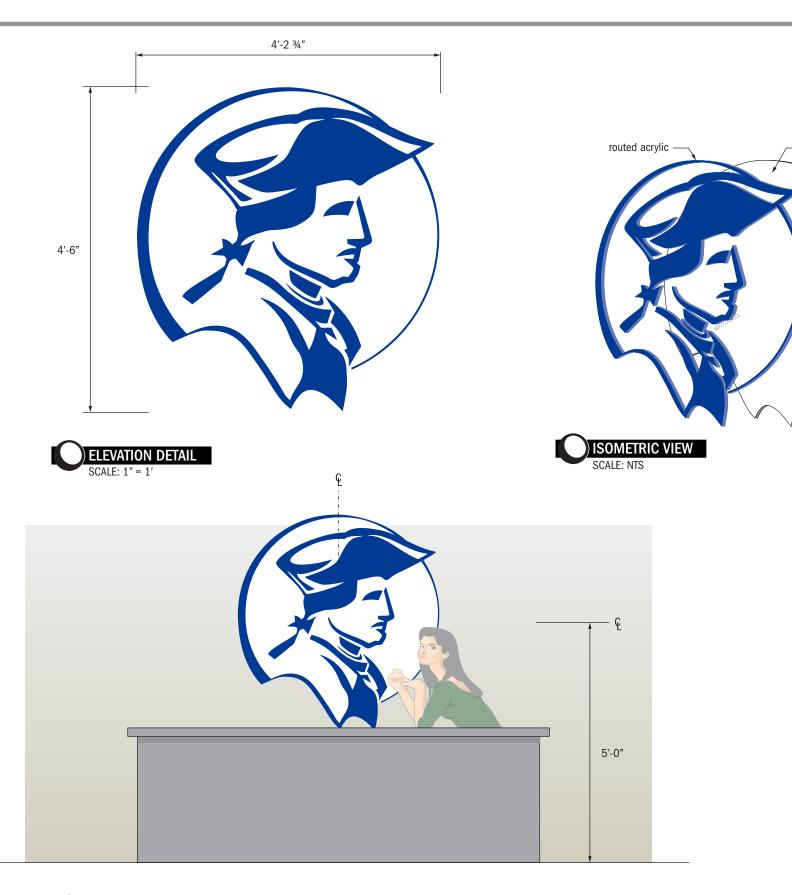
П
DOVER HIGH SCHOOL
→ Theater
↑ Performing Arts
← Main Gymnasium
← Athletics
← Visual Arts
← Career Tech
↑ Stadiums

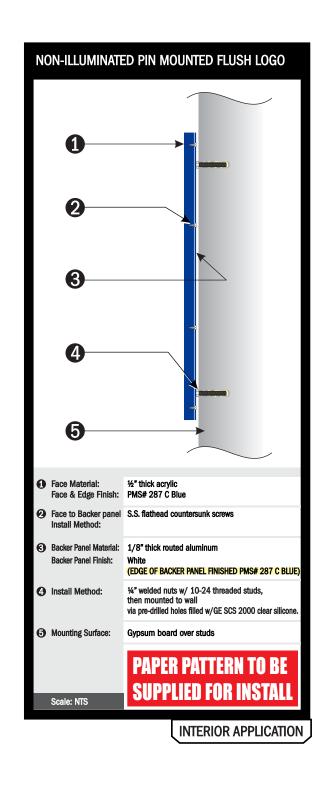


SIGN TYPE: H	Interior - Directional Signage	
QUANTITY: 14		SHEET 15 of 30









SCALE: 1/16" = 1'

Date: May 16, 2014

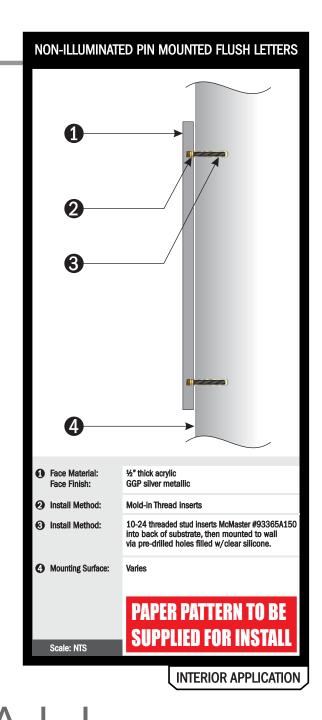
SIGN TYPE: I	Interior - Main Office - Logo Sign
QUANTITY: 1	SHEET 17 of 30

- aluminum backer panel

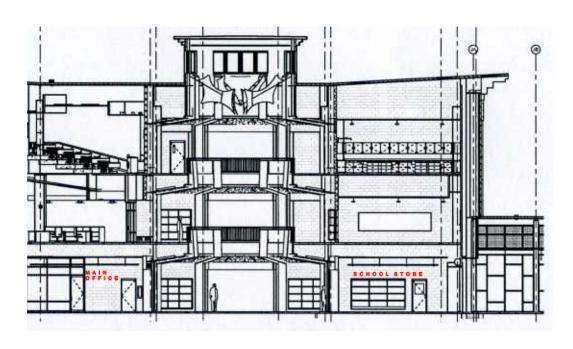
- mounting studs @ back of panel

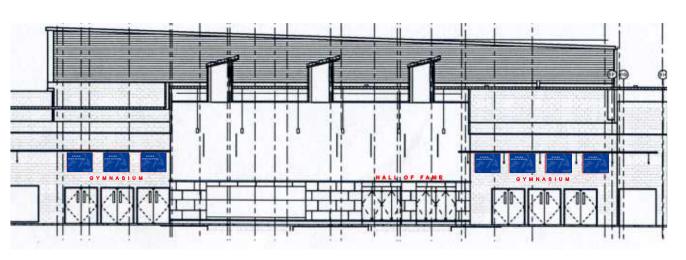


TICKETS ANCE THEATER HEALTH CONCESSIONS G Y M N A S I U M CAFETERIA INSPIRE

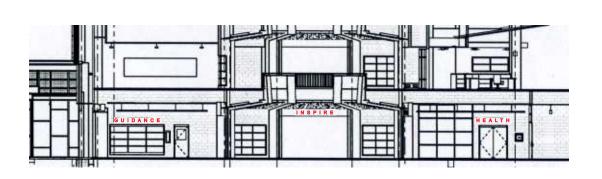


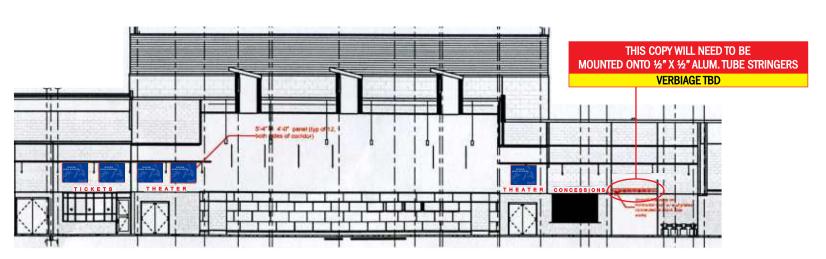
SIGN TYPE: J	Interior - Main Street - Dimensional Copy - Schedule/Details	
QUANTITY: 18	SHEET 18 of 30	





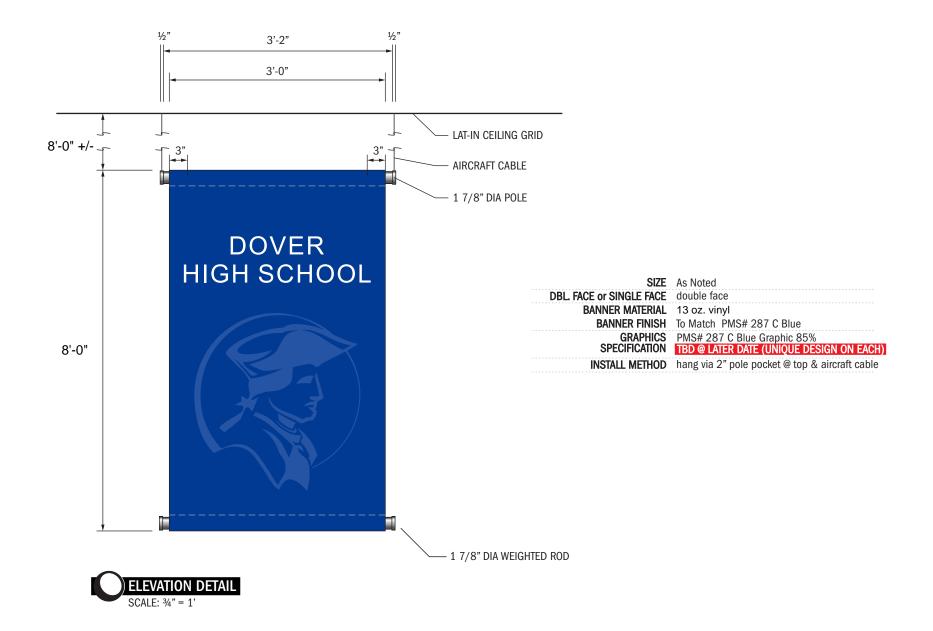




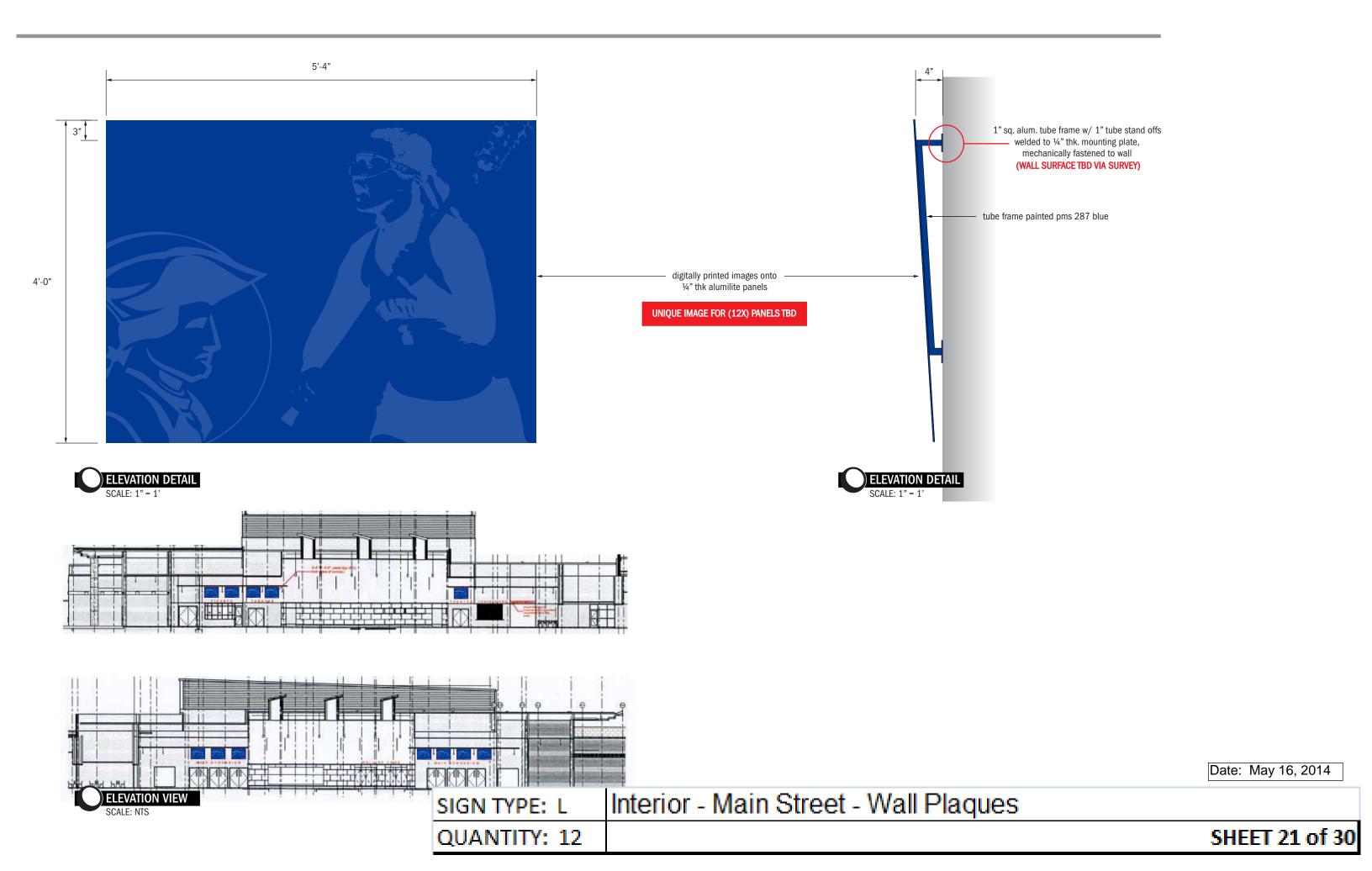


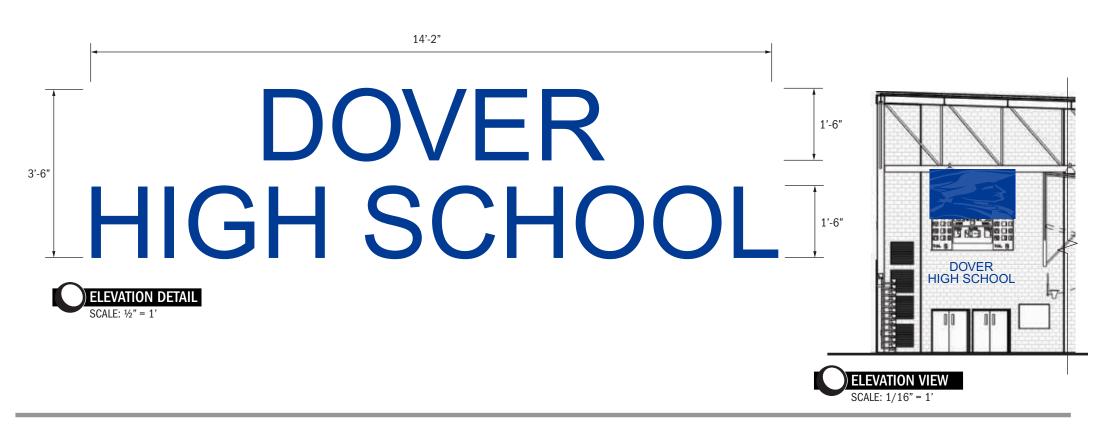


SIGN TYPE: J	PE: J Interior - Main Street - Dimensional Copy - Elevations	
QUANTITY: 18	SHEET 19 of 30	

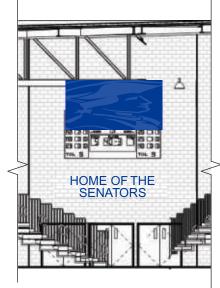


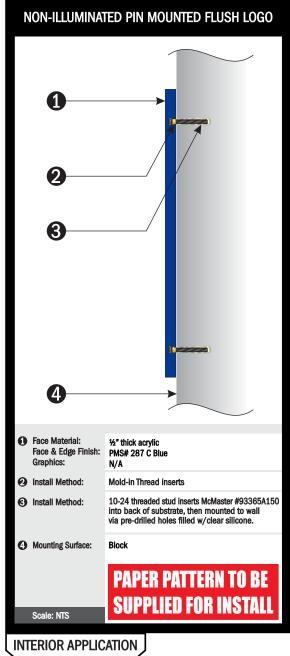
SIGN TYPE: K	Interior - Main Street - Ceiling Banners	
QUANTITY: 28		SHEET 20 of 30











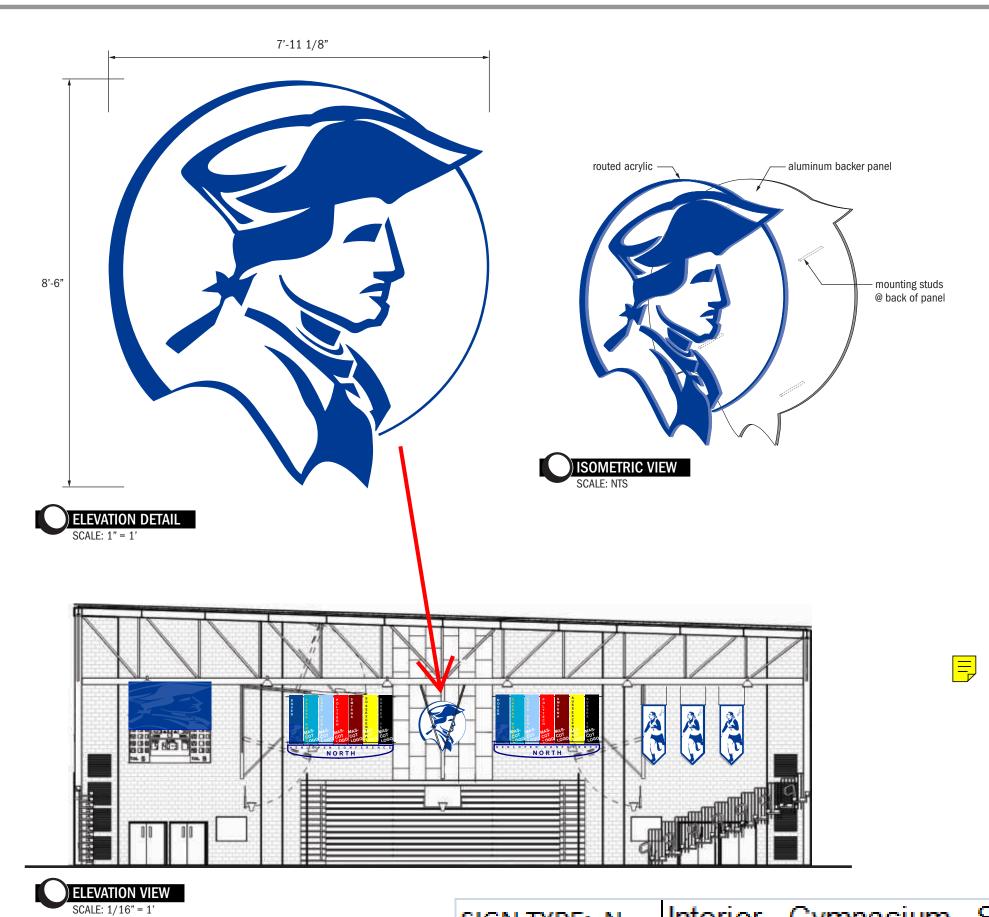


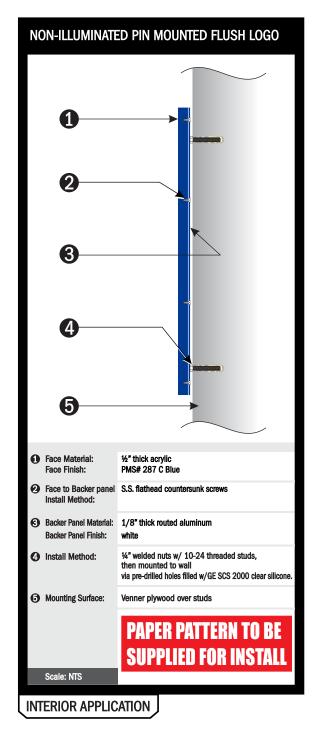


ELEVATION DETAIL

Interior - Gymnasium - Dimensional Copy SIGN TYPE: M

QUANTITY: 2 SHEET 22 of 30

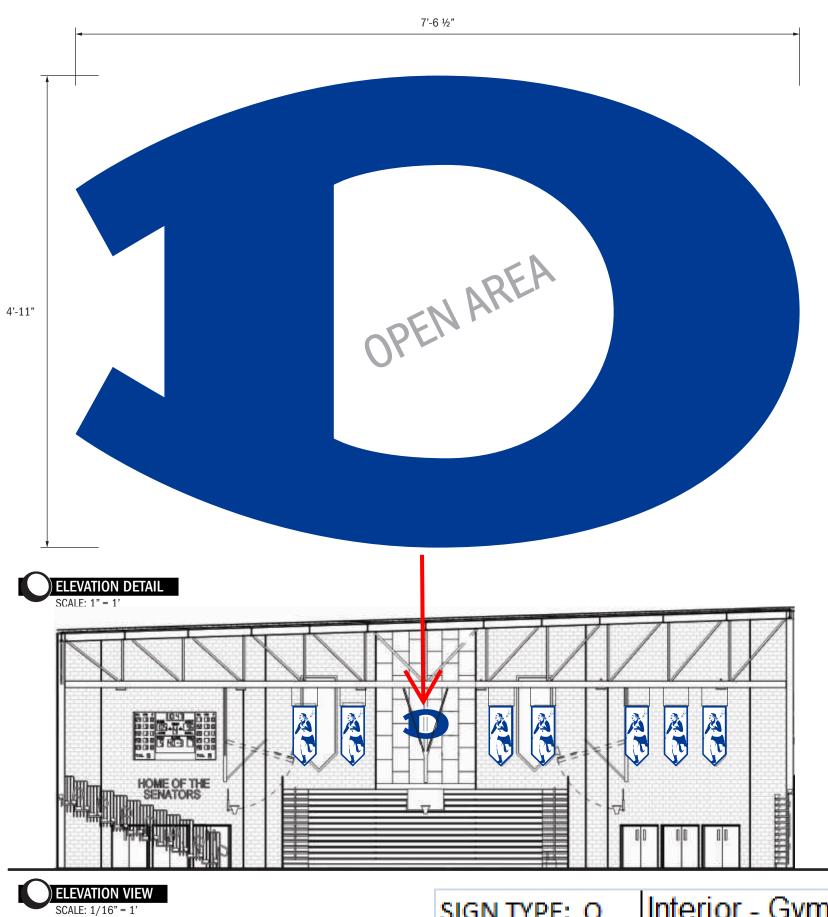


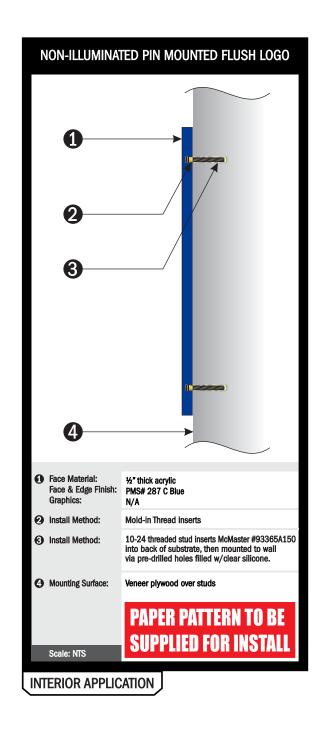


SIGN TYPE: N Interior - Gymnasium - Senator Logo

QUANTITY: 1

SHEET 23 of 30

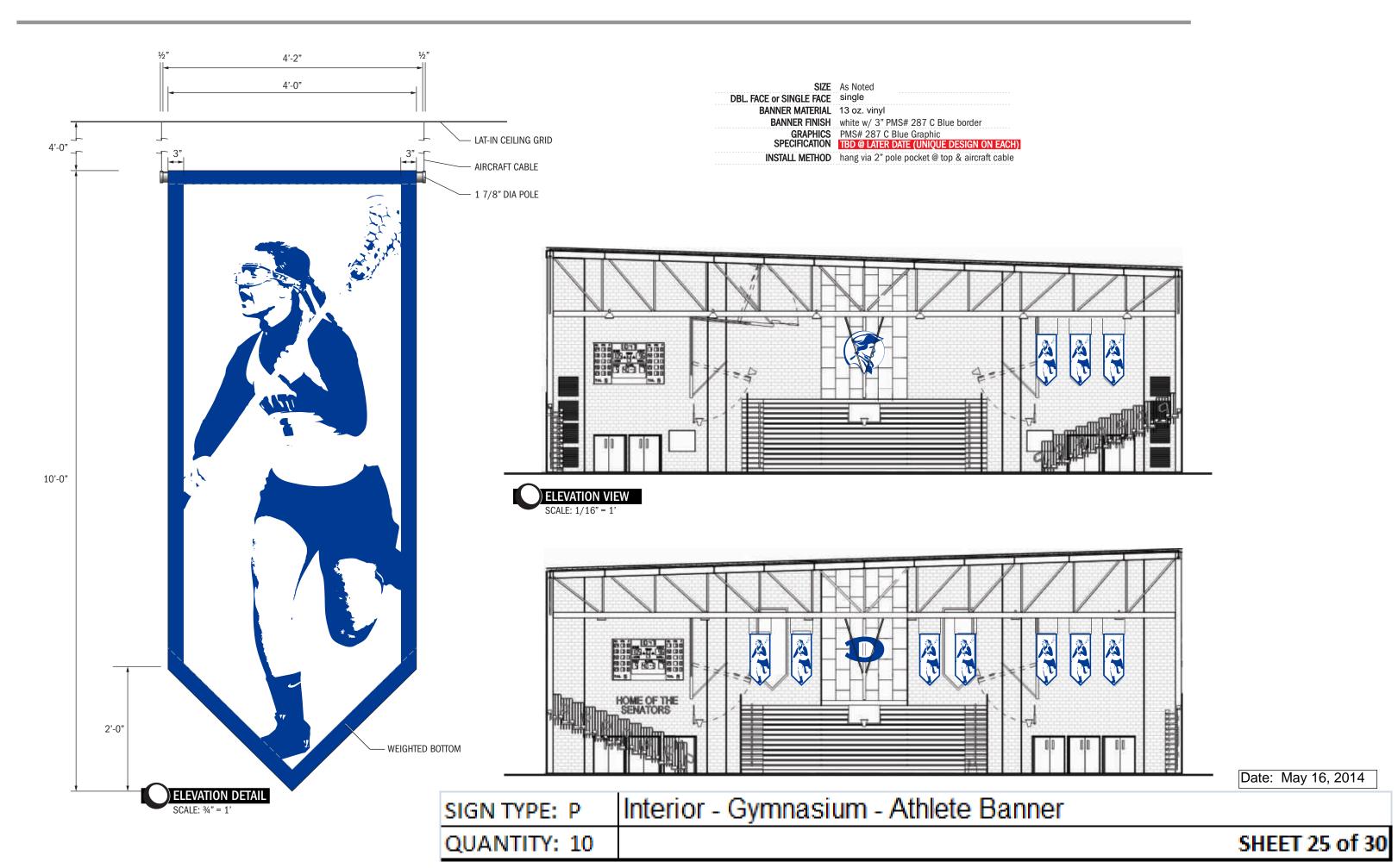




SIGN TYPE: O Interior - Gymnasium - "D" Logo

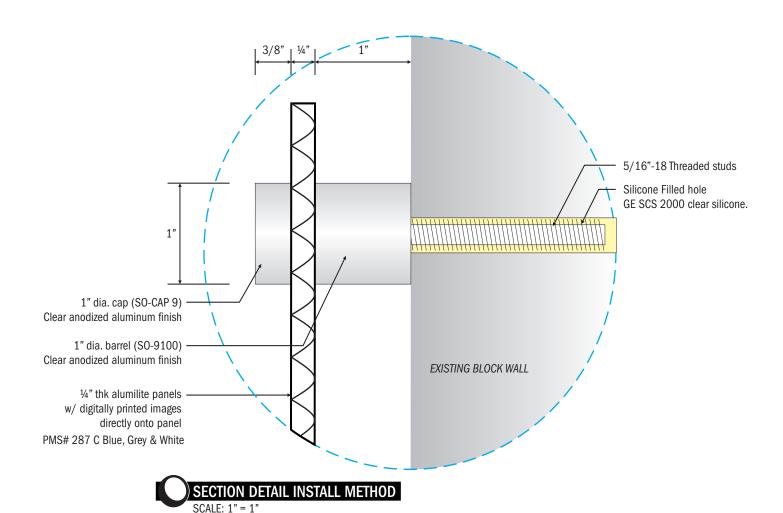
QUANTITY: 1

SHEET 24 of 30

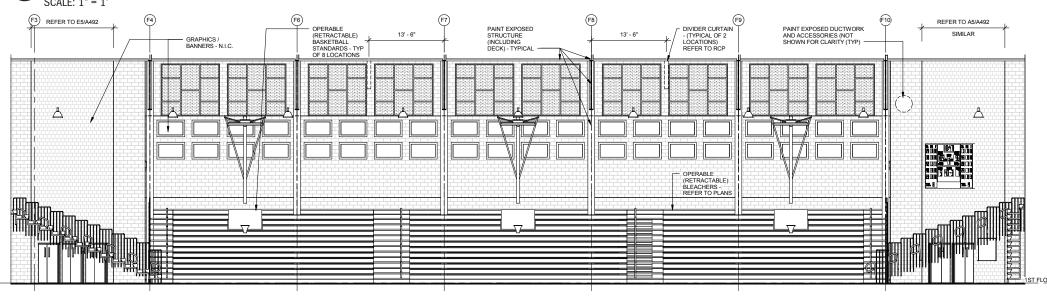




GRAPHICS PMS# 287 C Blue Graphic SPECIFICATION TBD @ LATER DATE (UNIQUE DESIGN ON EACH)



ELEVATION DETAIL

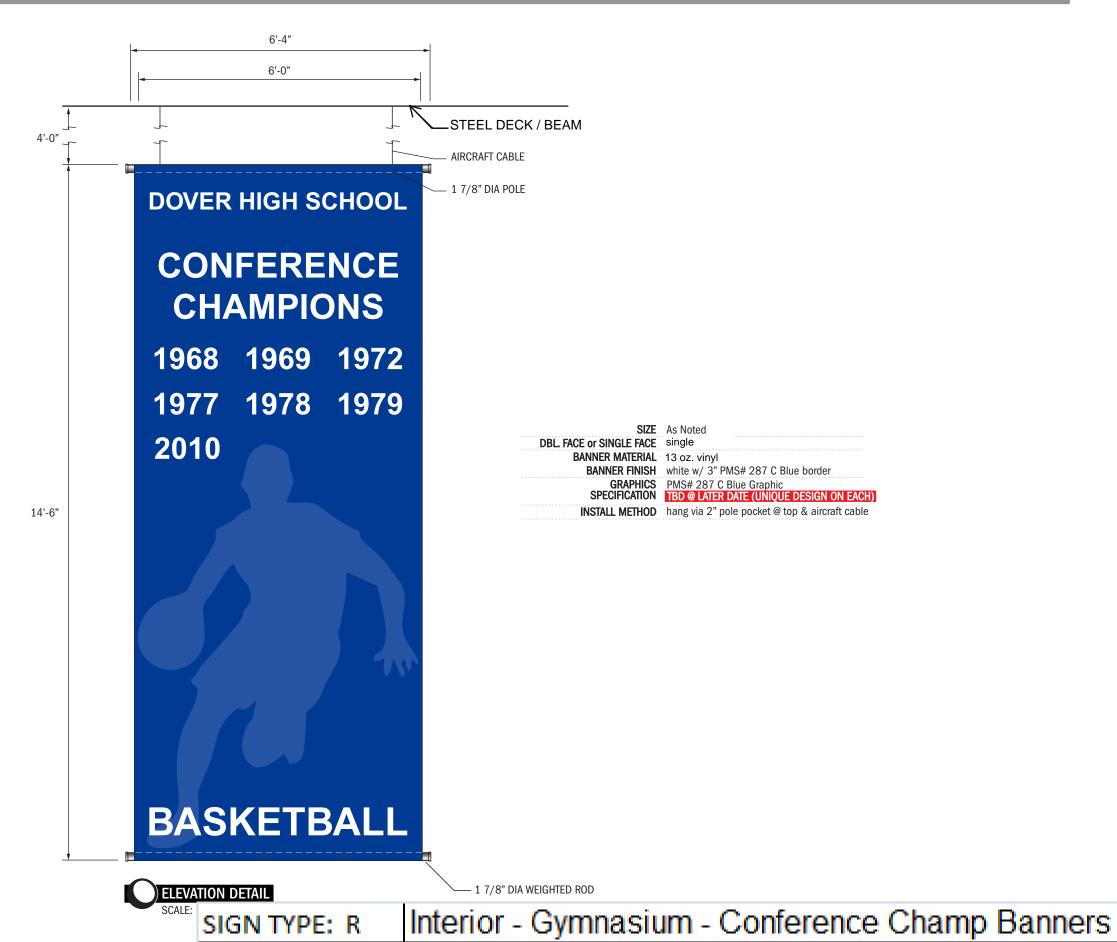


(D1) MAIN GYM G103 ELEVATION



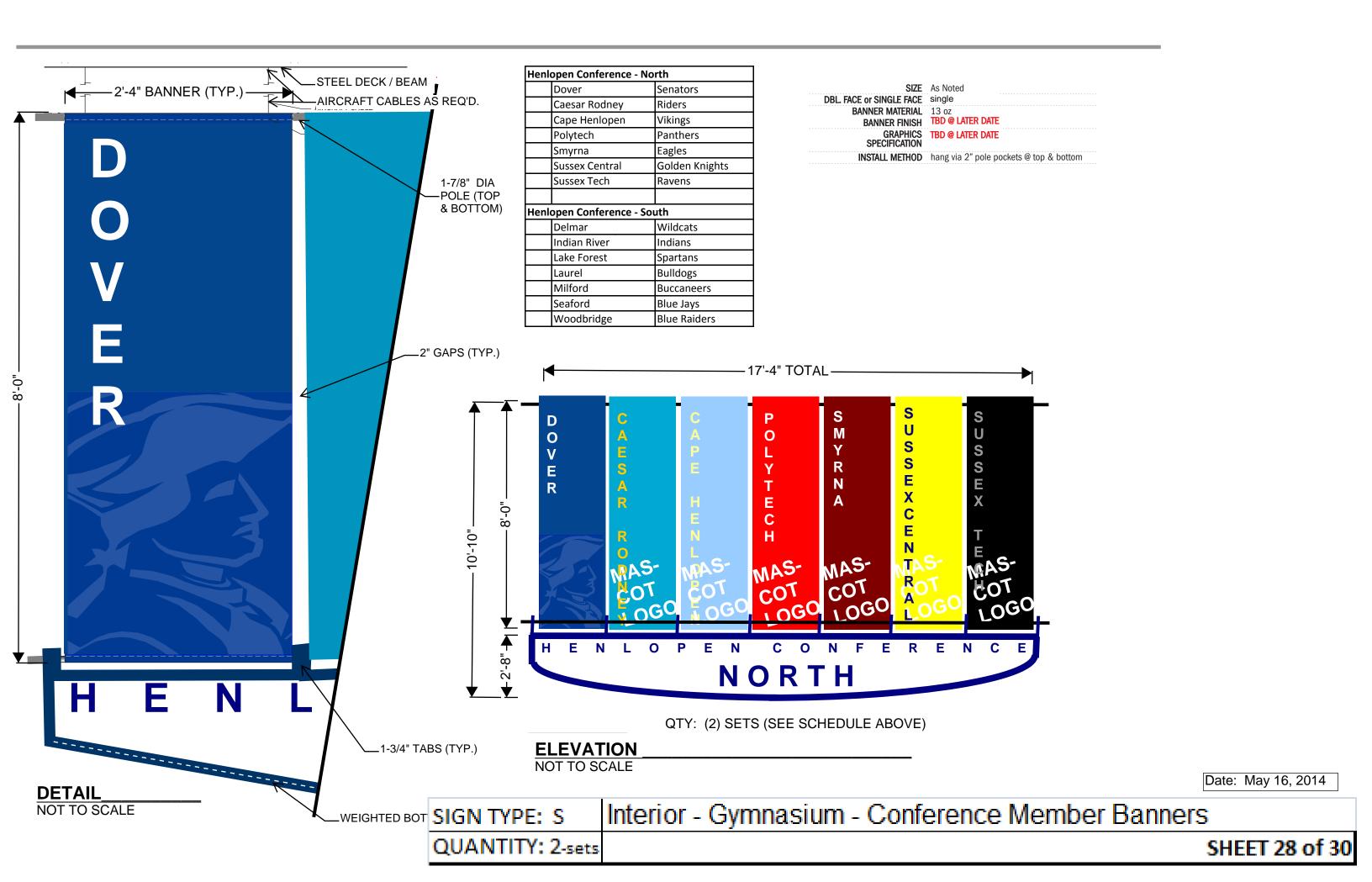
SIGN TYPE: Q Interior - Gymnasium - State Champ Wall Plaques

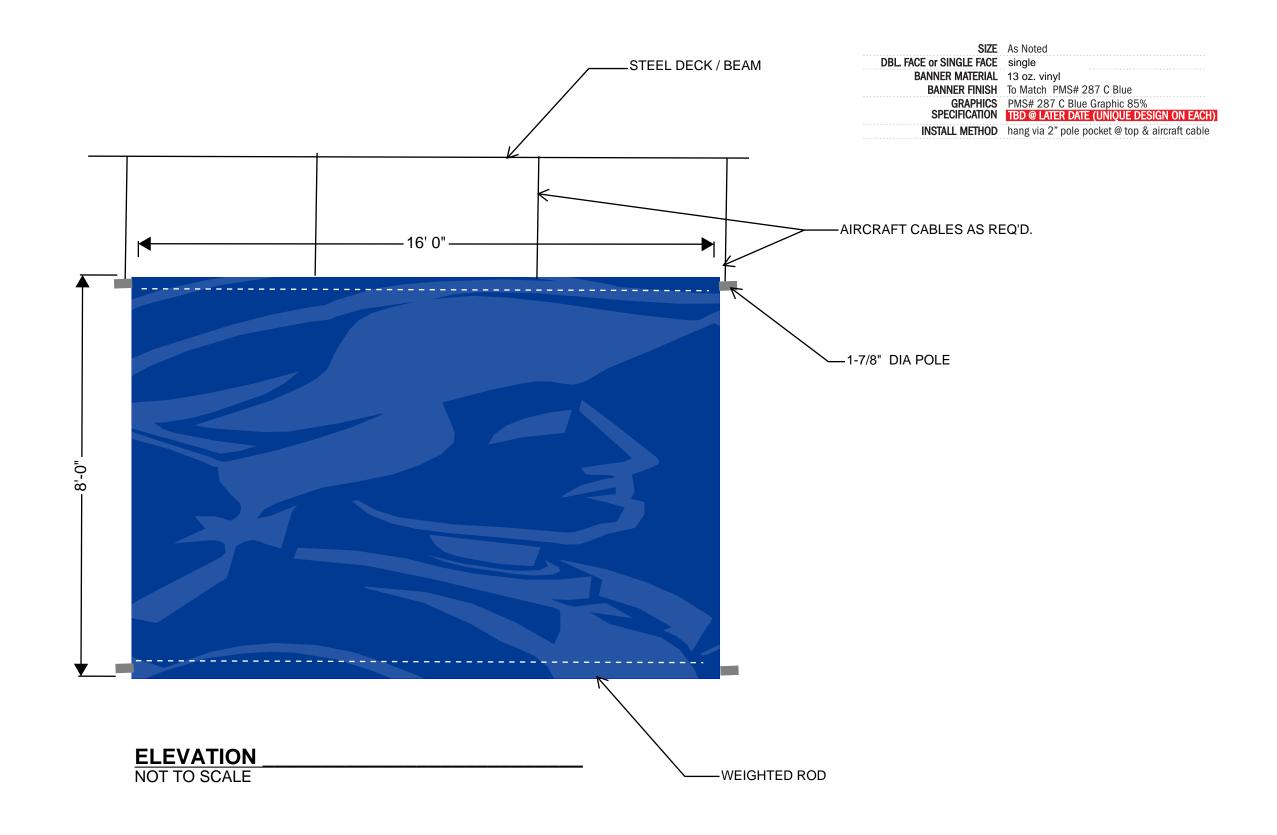
QUANTITY: 40 SHEET 26 of 30



QUANTITY: 13

SHEET 27 of 30





SIGN TYPE: T	Interior - Gymnasium - Scoreboard Banners	
QUANTITY: 2		SHEET 29 of 30



SIZE As Noted

DBL FACE or SINGLE FACE single

BANNER MATERIAL Sail-Cloth

BANNER FINISH PMS# 287 C Blue & White

GRAPHICS SPECIFICATION

INSTALL METHOD hem all four corners, INSTALL METHOD TBD

VERIFY ALL SIZES PRIOR TO FABRICATION



SIGN TYPE: U	Interior - Auxiliary Gym - Banners	
QUANTITY: 4		SHEET 30 of 30